

CX = CX-3  
 BX = BX-3  
 CXV2 = CX-3 version2  
 "X" : unavailable  
 "/" : reserved

No.	PARAMETERS	DATA(Hex) : VALUE	CX	BX	CXV2
00	PROGRAM NAME (Head)	20 - 7E : ' ' - '~'			
:	:				
:	:				
11	PROGRAM NAME (Tail)				
BASIC					
12	EX MODE FLAG	00: Normal 01: EX			
13	OUTPUT LEVEL	00 - 7F : 00 - 127			
14	WHEEL TYPE	00:Vintage 01:Clean			
15	OVERTONE LEVEL	00 - 63 : 00 - 99			
16	LEAKAGE LEVEL	00 - 63 : 00 - 99			
17	ON CLICK LEVEL	00 - 63 : 00 - 99			
18	OFF CLICK LEVEL	00 - 63 : 00 - 99			
DRAWBAR					
19	UPPER DRAWBAR 1	*1			
:	:				
:	:				
27	UPPER DRAWBAR 9				
28	LOWER DRAWBAR 1	*1			
:	:				
:	:				
36	LOWER DRAWBAR 9				
37	DB PRESET PERCUSSION	00:DISABLE 01:ENABLE			
38	EX DRAWBAR TYPE	00 - 03 : 1 - 4			
PERCUSSION					
39	PERCUSSION NORMAL LEVEL	00 - 63 : 00 - 99			
40	PERCUSSION SOFT OFFSET	9D - 00 : -99 - 00			
41	NORMAL LEVEL DB ATT	00 - 63 : 00 - 99			
42	PERCUSSION FAST DECAY	00 - 63 : 00 - 99			
43	PERCUSSION SLOW OFFSET	00 - 63 : 00 - 99			
AMP					
44	AMP TYPE	00 : Type 1 01 : Type 2 02 : Pre Amp			
45	AMP GAIN	00 - 63 : 00 - 99			
46	TONE TREBLE	00 - 14 : -10 - +10			
47	TONE MIDDLE	00 - 14 : -10 - +10			
48	TONE BASS	00 - 14 : -10 - +10			
REVERB					

49	REVERB TYPE		*2			
50	REVERB TIME		*3			
51	REVERB LEVEL	00 - 63 : 00 - 99				
52	REVERB ROUTING	00 : Rot->Rev 01 : Rev->Rot				
ROTARY						
53	HORN ROTOR BALANCE	00 - 64 : 00 - 100				
54	HORN SLOW SPEED	00 - 63 : 00 - 99				
55	HORN FAST SPEED	00 - 63 : 00 - 99				
56	ROTOR SLOW SPEED	00 - 63 : 00 - 99				
57	ROTOR FAST SPEED	00 - 63 : 00 - 99				
58	HORN UP TRANSITION	00 - 63 : 00 - 99				
59	HORN DOWN TRANSITION	00 - 63 : 00 - 99				
60	HORN STOP TRANSITION	00 - 63 : 00 - 99				
61	HORN START TRANSITION	00 - 63 : 00 - 99				
62	ROTOR UP TRANSITION	00 - 63 : 00 - 99				
63	ROTOR DOWN TRANSITION	00 - 63 : 00 - 99				
64	ROTOR STOP TRANSITION	00 - 63 : 00 - 99				
65	ROTOR START TRANSITION	00 - 63 : 00 - 99				
66	HORN MIC DISTANCE	00 - 63 : 00 - 99				
67	HORN MIC SPREAD	00 - 63 : 00 - 99				
68	ROTOR MIC DISTANCE	00 - 63 : 00 - 99				
69	ROTOR MIC SPREAD	00 - 63 : 00 - 99				
SPLIT						
70	SPLIT POINT	00 - 3D : 00 - 61			X	
71	SPLIT UPPER OCTAVE	FD - 00 : -2 - 0			X	
72	SPLIT LOWER OCTAVE	00 - 02 : 0 - 2			X	
CONTROLLER						
73	HOLD UPPER CONTROL		*4			
74	HOLD LOWER CONTROL		*4			
75	SPLIT SWITCH CONTROL		*4		X	
76	WHEEL BRAKE CONTROL		*4			
77	ROTARY FAST SW CONTROL		*4			
78	ROTARY STOP SW CONTROL		*4			
79	AMP GAIN CONTROL		*4			
80	AMP GAIN MINIMUM	00 - 63 : 00 - 99				
81	AMP GAIN MAXIMUM	00 - 63 : 00 - 99				
82	REVERB MIX CONTROL		*4			

83	REVERB MIX MINIMUM	00 - 63 : 00 - 99				
84	REVERB MIX MAXIMUM	00 - 63 : 00 - 99				
PANEL PARAMETER						
85	PERCUSSION "ON"	00:OFF 01:ON				
86	PERCUSSION "SOFT"	00:NORMAL 01:SOFT				
87	PERCUSSION "FAST"	00:SLOW 01:FAST				
88	PERCUSSION "3rd"	00:2nd 01:3rd				
89	V/C SELECT		*5			
90	V/C "UPPER"	00:OFF 01:ON				
91	V/C "LOWER"	00:OFF 01:ON				
92	SPLIT SWITCH	00:OFF 01:ON			X	
93	ROTARY "ON"	00:OFF 01:ON				
94	ROTARY "STOP"	00:OFF 01:ON				
95	ROTARY "FAST"	00:SLOW 01:FAST				
96 : 99	RESERVED			/	/	/
EXTENSION						
100	MODULATION WHEEL ASSIGN		*6	X		X
101	MODULATION WHEEL RANGE	9D - 63 : -99 - +99		X		X
102	EX LOWER DRAWBAR 1		*1	X		
103	EX LOWER DRAWBAR 2		*1	X		
104	EX LOWER DRAWBAR 3		*1	X		
105	NOISE LEVEL	00 - 63 : 00 - 99		X		
106	DRAWBAR LEVEL CURVE	00:BRIGHT 01:MELLOW		X		
107	ROTARY FAST PEDAL MODE	00:ALTER 01:MOMENT		X		
108	ROTARY STOP PEDAL MODE	00:ALTER 01:MOMENT		X		
109	WHEEL BRAKE PEDAL MODE	00:ALTER 01:MOMENT		X		
110 : 125	RESERVED			/	/	/
126	SPEAKER SIMULATOR	00:ON 01:OFF		X		
127	RESERVED			/	/	/

## CX-3/BX-3 GLOBAL PARAMETER

CX = CX-3  
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 CXV2 = CX-3 version2  
 "X" : unavailable  
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No.	PARAMETERS	DATA(Hex) : VALUE	CX	BX	CXV2
BASIC					
00	MASTER TUNE				
01	TRANPOSE				
02	EXPRESSION MIN LEVEL	00 - 1E : 00 - 30			
03	EXPRESSION CONTROL	*7			
04	PROGRAM UP CONTORL	*4			
05	PROGRAM DOWN CONTROL	*4			
06	PEDAL1 SWITCH POLARITY	00:- 01:+			
07	PEDAL2 SWITCH POLARITY	00:- 01:+			
08	PROGRAM CHANGE MODE	00:ALL 01:INT.			
MIDI CHANNEL					
09	MIDI GLOBAL CHANNEL	00 - 0F : 1 - 16			
10	MIDI UPPER RX CHANNEL	00 - 0F : 1 - 16			
11	MIDI UPPER TX CHANNEL	00 - 10 : 1-16,OFF			
12	MIDI UPPER 2nd CHANNEL	00 - 10 : 1-16,OFF			
13	MIDI LOWER RX CHANNEL	00 - 0F : 1 - 16			
14	MIDI LOWER TX CHANNEL	00 - 10 : 1-16,OFF			
15	MIDI LOWER 2nd CHANNEL	00 - 10 : 1-16,OFF			
MIDI PARAMETERS					
16	MIDI FIXED VELOCITY	01 - 7F : 1 - 127			
17	PITCH BENDER RANGE	F9 - 07 : -7 - +7			
18	MIDI RX PROGRAM CHANGE	00:ENABLE 01:DISABLE			
19	MIDI RX SYSTEM EXCLUSIVE	00:ENABLE 01:DISABLE			
20	MIDI RX CONTROL CHANGE	00:ENABLE 01:DISABLE			
21	MIDI TX CONTROL CHANGE	00:ENABLE 01:DISABLE			
22	LOCAL CONTROL	00:ON 01:OFF			
MIDI CONTROL NUMBER					
23	CC# UPPER DB SELECT	*8			
24	CC# LOWER DB SELECT	*8			
25	CC# DRAWBAR1 - 1	*8			
26	CC# DRAWBAR1 - 2	*8			
27	CC# DRAWBAR1 - 3	*8			
28	CC# DRAWBAR1 - 4	*8			

29	CC# DRAWBAR1 - 5		*8			
30	CC# DRAWBAR1 - 6		*8			
31	CC# DRAWBAR1 - 7		*8			
32	CC# DRAWBAR1 - 8		*8			
33	CC# DRAWBAR1 - 9		*8			
34	CC# DRAWBAR2 - 1		*8			
35	CC# DRAWBAR2 - 2		*8			
36	CC# DRAWBAR2 - 3		*8			
37	CC# DRAWBAR2 - 4		*8			
38	CC# DRAWBAR2 - 5		*8			
39	CC# DRAWBAR2 - 6		*8			
40	CC# DRAWBAR2 - 7		*8			
41	CC# DRAWBAR2 - 8		*8			
42	CC# DRAWBAR2 - 9		*8			
43	CC# EXPRESSION		*8			
44	CC# ROTARY "ON"		*8			
45	CC# ROTARY "FAST"		*8			
46	CC# ROTARY "STOP"		*8			
47	CC# V/C SELECT		*8			
48	CC# V/C "UPPER"		*8			
49	CC# V/C "LOWER"		*8			
50	CC# PERCUSSION "ON"		*8			
51	CC# PERCUSSION "SOFT"		*8			
52	CC# PERCUSSION "FAST"		*8			
53	CC# PERCUSSION "3rd"		*8			
54	CC# HOLD		*8			
55	CC# WHEEL BRAKE		*8			
56	CC# AMP GAIN		*8			
57	CC# REVERB LEVEL		*8			
DEFAULT						
58	DEFAULT DRAWBAR SELECT					
59	PROGRAM MAPPER (A-1)	00 - 7F	:	0 - 127		
:	:					
122	PROGRAM MAPPER (H-8)					
123	PROGRAM MAPPER (EA-1)	00 - 7F	:	0 - 127		
:	:					
186	PROGRAM MAPPER (EH-8)					
187	EX DRAWBAR TYPE 1 - 1			*9		
:	:					
190	EX DRAWBAR TYPE 1 - 4					

191	EX DRAWBAR TYPE 2 - 1		*9			
:	:					
194	EX DRAWBAR TYPE 2 - 4					
195	EX DRAWBAR TYPE 3 - 1		*9			
:	:					
198	EX DRAWBAR TYPE 3 - 4					
199	EX DRAWBAR TYPE 4 - 1		*9			
:	:					
202	EX DRAWBAR TYPE 4 - 4					
203	MERGE LOWER MIDI MSG	00 : OFF 01 : ON		X		
204	RESERVED			/	/	/
205						
206						
207	EXPRESSION PEDAL TYPE					
	EXTENSION					
208	KEYBOARD TRIGGER MODE	00:SHALLOW 01:DEEP	X			
209	EXPRESSION PEDAL MAX	00 - 7F		X	X	
210	EXPRESSION PEDAL MIN	00 - 7F		X	X	
211	EXPRESSION PEDAL WIDTH	00 - 7F		X	X	
212	WHEEL BRAKE SPEED	00:FAST 01:SLOW	X			
213	PROGRAM MAPPER ENABLE	00:ENABLE 01:DISABLE	X			
214	EXP PEDAL MAX (LSB)	0000 - 00FF	X			
215	(MSB)					
216	EXP PEDAL MIN (LSB)	0000 - 00FF	X			
217	(MSB)					
218	EXP PEDAL WIDTH (MSB)	0000 - 00FF	X			
219	(LSB)					

\*1 DRAWBAR LEVEL 00 : 0  
 10 : 1  
 20 : 2  
 30 : 3  
 40 : 4  
 50 : 5  
 60 : 6  
 70 : 7  
 7F : 8

\*2 REVERB TYPE CX-3 BX-3/CX-3 V2  
 00 : ROOM ROOM  
 01 : HALL HALL  
 02 : PLATE PLATE  
 03 : -- DARK

\*3 REVERB TIME ROOM HALL PLATE DARK  
 00 : 0.40 1.00 0.74 0.74  
 01 : 0.46 1.20 0.82 0.82  
 02 : 0.52 1.40 0.90 0.90  
 03 : 0.58 1.60 1.00 1.00  
 04 : 0.66 1.80 1.20 1.20  
 05 : 0.74 2.20 1.40 1.40  
 06 : 0.82 2.60 1.60 1.60  
 07 : 0.90 3.00 1.80 1.80  
 08 : 1.00 3.40 2.20 2.20  
 09 : 1.20 4.00 2.60 2.60  
 0A : 1.40 4.60 3.00 3.00

0B :	1.60	5.20	3.40	3.40
0C :	1.80	5.80	4.00	4.00
0D :	2.20	6.60	4.60	4.60
0E :	2.60	7.40	5.20	5.20
0F :	3.00	8.20	5.80	5.80

\*4 PEDAL ASSIGN    00 : OFF  
                      01 : PEDAL 1  
                      02 : PEDAL 2

\*5 V/C SELECT    00 : V1  
                      01 : C1  
                      02 : V2  
                      03 : C2  
                      04 : V3  
                      05 : C3

\*6 MODULATION WHEEL ASSIGN    00 : NO ASSIGN  
                                      01 : CLICK LEVEL  
                                      02 : PERCUSSION LEVEL  
                                      03 : PERCUSSION DECAY  
                                      04 : ROTARY "FAST"  
                                      05 : EX LOWER MANUAL LEVEL  
                                      06 : ROTARY SPEED  
                                      07 : WHEEL BRAKE

*7 EXPRESSION CONTROL	CX-3	BX-3/CX-3 V2
00 :	BOTH INDIVIDUAL	BOTH INDIVIDUAL
01 :	KNOB ONLY	KNOB ONLY
02 :	PEDAL ONLY	PEDAL ONLY
03 :	----	BOTH MULTIPLY

\*8 CC#    01 - 1F, 21 - 5F, FF : 1 - 31, 33 - 95, OFF

*9 EX DRAWBAR TYPE VALUE	CX-3	BX-3/CX-3 V2
00 - 1D :	G4 - C7	-5 - +24